

Ali, Arshid

Assistant Professor, Department of Chemical and Materials Engineering, King Abdulaziz University

Education

| <i>Degree</i> | <i>Field of Study</i> | <i>Institution</i> | <i>Year</i> |
|---------------|-----------------------|------------------------------|-------------|
| PhD | Chemical Engineering | University of Auckland, NZL | 2011 |
| BS | Chemical Engineering | University of the Punjab, PK | 2001 |

Academic Experience

| <i>From</i> | <i>To</i> | <i>Institution</i> | <i>Rank</i> | <i>Title</i> | <i>Full or Part Time</i> |
|-------------|-----------|---------------------------|------------------|--------------|--------------------------|
| 10/2014 | Present | King Abdulaziz University | Assist. Prof | | Full Time |
| 10/2012 | 01/2014 | King Abdulaziz University | Assist. Prof | Post Doc | Full Time |
| 08/2011 | 10/2012 | University of the Punjab | Assist. Prof | | Full Time |
| 03/2007 | 07/2011 | University of Auckland | Teaching Assist. | PhD/Lecturer | Part Time |
| 04/2003 | 03/2007 | University of the Punjab | Lecturer | Lecturer | Full Time |

Non Academic Industrial Experience (including Consultations)

| <i>From</i> | <i>To</i> | <i>Company/Entity</i> | <i>Title</i> | <i>Position Description (Brief)</i> | <i>Full or Part Time</i> |
|-------------|-----------|-----------------------|--------------|-------------------------------------|--------------------------|
| None | | | | | |

Funded Research Projects and Patents from the Past Five Years

1. "Catalyst Development for the Dehydrogenation of Butane to Butene Isomers"; funded by SABIC (~ 1.75millions SAR).
2. "Catalyst Development for the Dehydrogenation of Ethane to Ethene"; Applied KACST.
3. "Investigation of Au-Mn Catalysts for the complete oxidation of Toulene". Funded under King Abdulaziz University grant # 431/005
4. Electro-Catalytic Conversion of CO₂ adsorbed on ionic liquid (IL) to Liquid Hydrocarbon Fuel; funded by DSR (general category).
5. "Influence of metal oxide support on iron phosphate active phase studied for the synthesis of pyrazine carbonitrile" funded by DSR.

Certifications and Professional Registrations

None

Current Membership in Professional Societies and Organizations

| | <i>Society/organization</i> | <i>Rank</i> | <i>Member Since</i> |
|----|---|-------------|---------------------|
| 1. | Institution of Professional Engineers New Zealand (IPENZ) | Member | 2008 |
| 2. | Pakistan Foundation of Advance Engineering & Technology (PFAET) | Member | 2003 |
| 3. | Pakistan Engineering Council (PEC) | Member | 2001 |

Honours and Awards

none

Institutional and Professional Services (administration, committees, units, etc.)

1. Member of Teaching Area Focus Team (TAFT) for the section "Classical Chemical Engineering Courses"
2. Departmental Representative to Safety Committee Under Vice Dean for graduate studies
3. Departmental Representative on Lab Safety for Undergraduate Labs.

Principal Publications/Presentations from the Past Five Years

1. 2016, S.U. Rather, A. Taimoor, A. Muhammad, Y. A. Alhamed, S.F. Zaman, **A.M. Ali**. “Kinetics of hydrogen adsorption on MgH_2/CNT composite”, Materials Research Bulletin 77, 23-28.
2. 2015, **A.M. Ali**, M.A. Daous, A. Arafat, A.A. AlZahrani, Y. Alhamed, A. Tuerdimaimaiti, L.A. Petrov. “Effect of Au Precursor and Support on the Catalytic Activity of the Nano-Au-Catalysts for Propane Complete Oxidation”, Journal of Nanomaterials.
3. 2015, **A.M. Ali**, M.A. Daous, A.M. Khamis, R. Bruch, L.A. Petrov. “Strong synergism between gold and manganese in an Au–Mn/triple-oxide-support (TOS) oxidation catalyst”, Applied Catalysis A, Volume 489, Pages 24-31.
4. 2015, **A.M. Ali**, M.A. Daous, A. A. Khamis, A.Y. Al-Sharif, L.A. Petrov. “Visible-light induced degradation of sulfa drugs using Ti-TUD-1/alumina photocatalyst” Comptes rendus de l academie bulgare des sciences 68 (11), 1373-137.
5. 2015, **A. M. Ali**, M. A. Daous, L. A. Petrov. “Role of Mn in supported Au-Mn/TOS catalysts”, Bulgarian Chemical Communications, Volume 47, Special issue C (pp. 25–33).
6. 2015, S. N. Hussain, A. Ahmad, **A.M Ali**, H. Sattar and H. M. A. Asghar. “Wastewater Treatment of Textile Industry via Adsorption and Electrochemical Regeneration”, International Conference on Advances in Environment Research, Volume 87 of IPCBEE (2015).
7. 2013, A. Shafeeq, R. Aslam, S.A. Shahid, A. Muhammad, A. Ijaz, **A.M. Ali**, I. Ullah, M. Mustaq, U. Rashid. “Polyvinyl Alcohol: An Economical Substitute to Calcium Lignosulphonate for PVC/PET Separation by Froth Flotation”, Asian Journal of Chemistry 25(13):7509-7512.

Recent Professional Development Activities (*Workshops, training, etc.*)

1. 16th International Congress on Catalysis (ICC 16), 3rd – 8th July, Beijing, China
2. 4th Nano Today Conference, December 6-10, JW Marriott Marquis Hotel Dubai, UAE
3. “Catalytic Carbon and hydrogen Management (KRC-CCHM)”, KAUST, Saudi Arabia.
4. “Membrane Science and Technology for Water”, KAUST, Saudi Arabia.
5. 11th International Symposium- “Scientific Bases for the Preparation of Heterogeneous Catalysts”, UCL, Belgium.